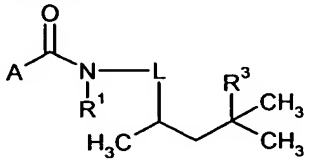
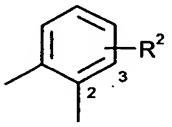
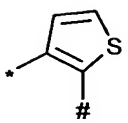
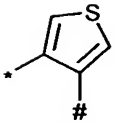
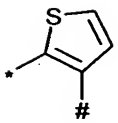
Patent Claims

1. Hexylcarboxanilides of the formula (I)



(I)

in which

L represents     ,

L-1 L-2 L-3 L-4

where the bond marked with * is attached to the amide, whereas the bond marked with # is attached to the alkyl side chain,

R^1 represents hydrogen, C_1-C_8-alkyl, C_1-C_6-alkylsulphinyl, C_1-C_6-alkylsulphonyl, C_1-C_4-alkoxy-C_1-C_4-alkyl, C_3-C_8-cycloalkyl; C_1-C_6-haloalkyl, C_1-C_4-haloalkylthio, C_1-C_4-haloalkylsulphinyl, C_1-C_4-haloalkylsulphonyl, halo-C_1-C_4-alkoxy-C_1-C_4-alkyl, C_3-C_8-halocycloalkyl having in each case 1 to 9 fluorine, chlorine and/or bromine atoms; formyl, formyl-C_1-C_3-alkyl, (C_1-C_3-alkyl)carbonyl-C_1-C_3-alkyl, (C_1-C_3-alkoxy)carbonyl-C_1-C_3-alkyl; halo-(C_1-C_3-alkyl)carbonyl-C_1-C_3-alkyl, halo-(C_1-C_3-alkoxy)carbonyl-C_1-C_3-alkyl having in each case 1 to 13 fluorine, chlorine and/or bromine atoms;

(C_1-C_8-alkyl)carbonyl, (C_1-C_8-alkoxy)carbonyl, (C_1-C_4-alkoxy-C_1-C_4-alkyl)carbonyl, (C_3-C_8-cycloalkyl)carbonyl; (C_1-C_6-haloalkyl)carbonyl, (C_1-C_6-haloalkoxy)carbonyl, (halo-C_1-C_4-alkoxy-C_1-C_4-alkyl)carbonyl, (C_3-C_8-halocycloalkyl)carbonyl having in each case 1 to 9 fluorine, chlorine and/or bromine atoms; or -C(=O)C(=O)R^4, -$CONR^5R^6$ or -$CH_2NR^7R^8$,

R^2 represents hydrogen, fluorine, chlorine, methyl or trifluoromethyl,

R^3 represents halogen, C_1-C_8-alkyl or C_1-C_8-haloalkyl,

R^4 represents hydrogen, C_1-C_8-alkyl, C_1-C_8-alkoxy, C_1-C_4-alkoxy-C_1-C_4-alkyl, C_3-C_8-cycloalkyl; C_1-C_6-haloalkyl, C_1-C_6-haloalkoxy, halo-C_1-C_4-alkoxy-C_1-C_4-alkyl, C_3-C_8-halocycloalkyl having in each case 1 to 9 fluorine, chlorine and/or bromine atoms,

R^5 and R^6 independently of one another each represent hydrogen, C_1-C_8-alkyl, C_1-C_4-alkoxy-C_1-C_4-alkyl, C_3-C_8-cycloalkyl; C_1-C_8-haloalkyl, halo-C_1-C_4-alkoxy-C_1-C_4-alkyl, C_3-C_8-halocycloalkyl having in each case 1 to 9 fluorine, chlorine and/or bromine atoms,

R^5 and R^6 furthermore together with the nitrogen atom to which they are attached form a saturated heterocycle having 5 to 8 ring atoms which is optionally mono- or polysubstituted by identical or different substituents from the group consisting of

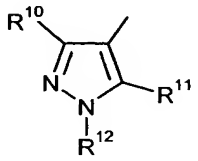
halogen and C_1-C_4-alkyl, where the heterocycle may contain 1 or 2 further non-adjacent heteroatoms from the group consisting of oxygen, sulphur and NR^9,

R^7 and R^8 independently of one another represent hydrogen, C_1-C_8-alkyl, C_3-C_8-cycloalkyl; C_1-C_8-haloalkyl, C_3-C_8-halocycloalkyl having in each case 1 to 9 fluorine, chlorine and/or bromine atoms,

R^7 and R^8 furthermore together with the nitrogen atom to which they are attached form a saturated heterocycle having 5 to 8 ring atoms which is optionally mono- or polysubstituted by identical or different substituents from the group consisting of halogen and C_1-C_4-alkyl, where the heterocycle may contain 1 or 2 further non-adjacent heteroatoms from the group consisting of oxygen, sulphur and NR^9,

R^9 represents hydrogen or C_1-C_6-alkyl,

A represents the radical of the formula (A1)



(A1) in which

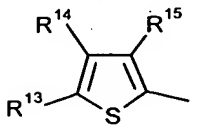
R^{10} represents hydrogen, hydroxyl, formyl, cyano, fluorine, chlorine, bromine, nitro, C_1-C_4-alkyl, C_1-C_4-alkoxy, C_1-C_4-alkylthio, C_3-C_6-cycloalkyl, C_1-C_4-haloalkyl, C_1-C_4-haloalkoxy or C_1-C_4-haloalkylthio having in each case 1 to 5 halogen atoms, aminocarbonyl or aminocarbonyl-C_1-C_4-alkyl,

R^{11} represents hydrogen, chlorine, bromine, iodine, cyano, C_1-C_4-alkyl, C_1-C_4-alkoxy, C_1-C_4-alkylthio, C_1-C_4-haloalkyl or C_1-C_4-haloalkylthio having in each case 1 to 5 halogen atoms, and

R^{12} represents hydrogen, C_1-C_4-alkyl, hydroxy-C_1-C_4-alkyl, C_2-C_6-alkenyl, C_3-C_6-cycloalkyl, C_1-C_4-alkylthio-C_1-C_4-alkyl, C_1-C_4-alkoxy-C_1-C_4-alkyl, C_1-C_4-haloalkyl, C_1-C_4-haloalkylthio-C_1-C_4-alkyl, C_1-C_4-haloalkoxy-C_1-C_4-alkyl having in each case 1 to 5 halogen atoms, or represents phenyl,

or

A represents the radical of the formula (A2)



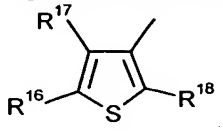
(A2) in which

R^{13} and R^{14} independently of one another represent hydrogen, halogen, C_1-C_4-alkyl or C_1-C_4-haloalkyl having in each case 1 to 5 halogen atoms and

R^{15} represents halogen, cyano or C_1-C_4-alkyl, or C_1-C_4-haloalkyl or C_1-C_4-haloalkoxy having in each case 1 to 5 halogen atoms,

or

A represents the radical of the formula (A3)



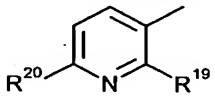
(A3) in which

R^{16} and R^{17} independently of one another represent hydrogen, halogen, C_1-C_4-alkyl or C_1-C_4-haloalkyl having 1 to 5 halogen atoms and

R^{18} represents hydrogen, C_1-C_4-alkyl or C_1-C_4-haloalkyl having up to 5 halogen atoms,

or

A represents the radical of the formula (A4)



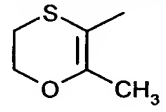
(A4) in which

R^{19} represents halogen, hydroxy, cyano, C_1-C_4-alkyl, C_1-C_4-alkoxy, C_1-C_4-alkylthio, C_1-C_4-haloalkyl, C_1-C_4-haloalkylthio or C_1-C_4-haloalkoxy having in each case 1 to 5 halogen atoms and

R^{20} represents hydrogen, halogen, cyano, C_1-C_4-alkyl, C_1-C_4-alkoxy, C_1-C_4-alkylthio, C_1-C_4-haloalkyl, C_1-C_4-haloalkoxy having in each case 1 to 5 halogen atoms, C_1-C_4-alkylsulphinyl or C_1-C_4-alkylsulphonyl,

or

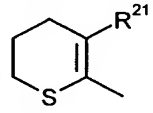
A represents the radical of the formula (A5)



(A5),

or

A represents the radical of the formula (A6)

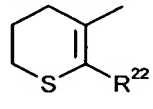


(A6) in which

R^{21} represents C_1-C_4-alkyl or C_1-C_4-haloalkyl having 1 to 5 halogen atoms,

or

A represents the radical of the formula (A7)

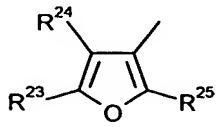


(A7) in which

R^{22} represents C_1-C_4-alkyl or C_1-C_4-haloalkyl having 1 to 5 halogen atoms,

or

A represents the radical of the formula (A8)



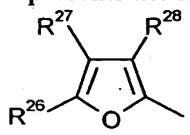
(A8) in which

R^{23} and R^{24} independently of one another represent hydrogen, halogen, amino, C_1-C_4-alkyl or C_1-C_4-haloalkyl having 1 to 5 halogen atoms and

R^{25} represents hydrogen, C_1-C_4-alkyl or C_1-C_4-haloalkyl having 1 to 5 halogen atoms,

or

A represents the radical of the formula (A9)



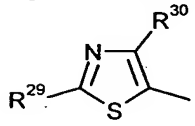
(A9) in which

R^{26} and R^{27} independently of one another represent hydrogen, halogen, amino, nitro, C_1-C_4-alkyl or C_1-C_4-haloalkyl having 1 to 5 halogen atoms and

R^{28} represents halogen, C_1-C_4-alkyl or C_1-C_4-haloalkyl having 1 to 5 halogen atoms,

or

A represents the radical of the formula (A10)



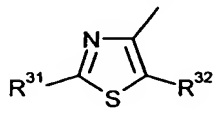
(A10) in which

R^{29} represents hydrogen, halogen, amino, C_1-C_4-alkylamino, di-(C_1-C_4-alkyl)-amino, cyano, C_1-C_4-alkyl or C_1-C_4-haloalkyl having 1 to 5 halogen atoms and

R^{30} represents halogen, hydroxyl, C_1-C_4-alkyl, C_1-C_4-alkoxy, C_3-C_6-cycloalkyl, C_1-C_4-haloalkyl or C_1-C_4-haloalkoxy having in each case 1 to 5 halogen atoms,

or

A represents the radical of the formula (A11)



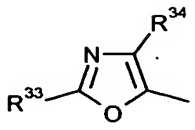
(A11) in which

R^{31} represents hydrogen, halogen, amino, C_1-C_4-alkylamino, di-(C_1-C_4-alkyl)-amino, cyano, C_1-C_4-alkyl or C_1-C_4-haloalkyl having 1 to 5 halogen atoms and

R^{32} represents halogen, C_1-C_4-alkyl or C_1-C_4-haloalkyl having 1 to 5 halogen atoms,

or

A represents the radical of the formula (A12)



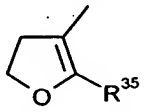
(A12) in which

R^{33} represents hydrogen or C_1-C_4-alkyl and

R^{34} represents halogen or C_1-C_4-alkyl,

or

A represents the radical of the formula (A13)

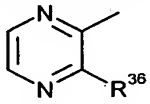


(A13) in which

R^{35} represents C_1-C_4-alkyl or C_1-C_4-haloalkyl having 1 to 5 halogen atoms,

or

A represents the radical of the formula (A14)

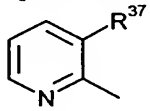


(A14) in which

R^{36} represents hydrogen, halogen, C_1-C_4-alkyl or C_1-C_4-haloalkyl having 1 to 5 halogen atoms,

or

A represents the radical of the formula (A15)

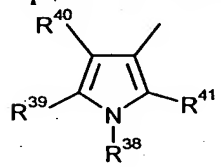


(A15) in which

R^{37} represents halogen, hydroxyl, C_1-C_4-alkyl, C_1-C_4-alkoxy, C_1-C_4-alkylthio, C_1-C_4-haloalkyl, C_1-C_4-haloalkylthio or C_1-C_4-haloalkoxy having in each case 1 to 5 halogen atoms,

or

A represents the radical of the formula (A16)



(A16) in which

R^{38} represents hydrogen, cyano, C_1-C_4-alkyl, C_1-C_4-haloalkyl having 1 to 5 halogen atoms, C_1-C_4-alkoxy-C_1-C_4-alkyl, hydroxy-C_1-C_4-alkyl, C_1-C_4-alkylsulphonyl, di(C_1-C_4-alkyl)aminosulphonyl, C_1-C_6-alkylcarbonyl or in each case optionally substituted phenylsulphonyl or benzoyl,

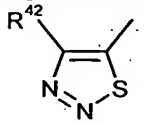
R^{39} represents hydrogen, halogen, C_1-C_4-alkyl or C_1-C_4-haloalkyl having 1 to 5 halogen atoms,

R^{40} represents hydrogen, halogen, cyano, C_1-C_4-alkyl or C_1-C_4-haloalkyl having 1 to 5 halogen atoms,

R^{41} represents hydrogen, halogen, C_1-C_4-alkyl or C_1-C_4-haloalkyl having 1 to 5 halogen atoms,

or

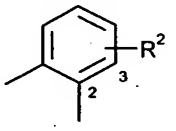
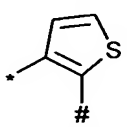
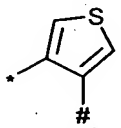
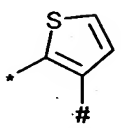
A represents the radical of the formula (A17)



(A17) in which

R^{42} represents C_1-C_4-alkyl.

2. Hexylcarboxanilides of the formula (I) according to Claim 1 in which

L represents     ,

L-1 L-2 L-3 L-4

where the bond marked with * is attached to the amide, whereas the bond marked with # is attached to the alkyl side chain,

R^1 represents hydrogen, C_1-C_6-alkyl, C_1-C_4-alkylsulphinyl, C_1-C_4-alkylsulphonyl, C_1-C_3-alkoxy-C_1-C_3-alkyl, C_3-C_6-cycloalkyl; C_1-C_4-haloalkyl, C_1-C_4-haloalkylthio, C_1-C_4-haloalkylsulphinyl, C_1-C_4-haloalkylsulphonyl, halo-C_1-C_3-alkoxy-C_1-C_3-alkyl, C_3-C_8-halocycloalkyl having in each case 1 to 9 fluorine, chlorine and/or bromine atoms; formyl, formyl-C_1-C_3-alkyl, (C_1-C_3-alkyl)carbonyl-C_1-C_3-alkyl, (C_1-C_3-alkoxy)carbonyl-C_1-C_3-alkyl; halo-(C_1-C_3-alkyl)carbonyl-C_1-C_3-alkyl, halo-(C_1-C_3-alkoxy)carbonyl-C_1-C_3-alkyl having in each case 1 to 13 fluorine, chlorine and/or bromine atoms; (C_1-C_6-alkyl)carbonyl, (C_1-C_4-alkoxy)carbonyl, (C_1-C_3-alkoxy-C_1-C_3-alkyl)carbonyl, (C_3-C_6-cycloalkyl)carbonyl; (C_1-C_4-haloalkyl)carbonyl, (C_1-C_4-haloalkoxy)carbonyl, (halo-C_1-C_3-alkoxy-C_1-C_3-alkyl)carbonyl, (C_3-C_6-halocycloalkyl)carbonyl having in each case 1 to 9 fluorine, chlorine and/or bromine atoms; or $-C(=O)C(=O)R^4$, $-CONR^5R^6$ or $-CH_2NR^7R^8$,

R^2 represents hydrogen, fluorine, chlorine, methyl or trifluoromethyl,

R^3 represents fluorine, chlorine, bromine, iodine, C_1-C_6-alkyl, C_1-C_6-haloalkyl having in each case 1 to 13 fluorine, chlorine and/or bromine atoms,

R^4 represents hydrogen, C_1-C_6-alkyl, C_1-C_4-alkoxy, C_1-C_3-alkoxy-C_1-C_3-alkyl, C_3-C_6-cycloalkyl; C_1-C_4-haloalkyl, C_1-C_4-haloalkoxy, halo-C_1-C_3-alkoxy-C_1-C_3-alkyl, C_3-C_6-halocycloalkyl having in each case 1 to 9 fluorine, chlorine and/or bromine atoms,

R^5 and R^6 independently of one another each represent hydrogen, C_1-C_6-alkyl, C_1-C_3-alkoxy-C_1-C_3-alkyl, C_3-C_6-cycloalkyl; C_1-C_4-haloalkyl, halo-C_1-C_3-alkoxy-C_1-C_3-alkyl, C_3-C_6-halocycloalkyl having in each case having 1 to 9 fluorine, chlorine and/or bromine atoms,

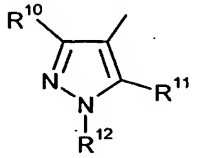
R^5 and R^6 furthermore together with the nitrogen atom to which they are attached form a saturated heterocycle having 5 or 6 ring atoms which is optionally mono- to tetrasubstituted by identical or different substituents from the group consisting of halogen and C_1-C_4-alkyl, where the heterocycle may contain 1 or 2 further non-adjacent heteroatoms from the group consisting of oxygen, sulphur and NR^9,

R^7 and R^8 independently of one another each represent hydrogen, C_1-C_6-alkyl, C_3-C_6-cycloalkyl; C_1-C_4-haloalkyl, C_3-C_6-halocycloalkyl having in each case 1 to 9 fluorine, chlorine and/or bromine atoms,

R^7 and R^8 furthermore together with the nitrogen atom to which they are attached form a saturated heterocycle having 5 or 6 ring atoms which is optionally mono- or polysubstituted by identical or different substituents from the group consisting of halogen and C_1-C_4-alkyl, where the heterocycle may contain 1 or 2 further non-adjacent heteroatoms from the group consisting of oxygen, sulphur and NR^9,

R^9 represents hydrogen or C_1-C_4-alkyl,

A represents the radical of the formula (A1)



(A1) in which

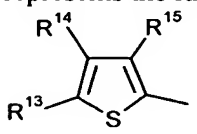
R^{10} represents hydrogen, hydroxyl, formyl, cyano, fluorine, chlorine, bromine, methyl, ethyl, isopropyl, methoxy, ethoxy, methylthio, ethylthio, cyclopropyl, C_1-C_2-haloalkyl, C_1-C_2-haloalkoxy having in each 1 to 5 fluorine, chlorine and/or bromine atoms, trifluoromethylthio, difluoromethylthio, aminocarbonyl, aminocarbonylmethyl or aminocarbonylethyl,

R^{11} represents hydrogen, chlorine, bromine, iodine, methyl, ethyl, methoxy, ethoxy, methylthio, ethylthio, C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms and

R^{12} represents hydrogen, methyl, ethyl, n-propyl, isopropyl, C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms, hydroxymethyl, hydroxyethyl, cyclopropyl, cyclopentyl, cyclohexyl or phenyl,

or

A represents the radical of the formula (A2)



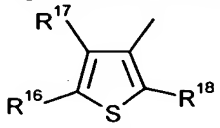
(A2) in which

R^{13} and R^{14} independently of one another represent hydrogen, fluorine, chlorine, bromine, methyl, ethyl or C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms and

R^{15} represents fluorine, chlorine, bromine, iodine, cyano, methyl, ethyl, C_1-C_2-haloalkyl or C_1-C_2-haloalkoxy having in each case 1 to 5 fluorine, chlorine and/or bromine atoms;

or

A represents the radical of the formula (A3)



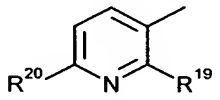
(A3) in which

R^{16} and R^{17} independently of one another represent hydrogen, fluorine, chlorine, bromine, methyl, ethyl or C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms and

R^{18} represents hydrogen, methyl, ethyl or C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents the radical of the formula (A4)



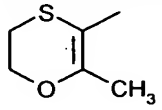
(A4) in which

R^{19} represents fluorine, chlorine, bromine, iodine, hydroxyl, cyano, C_1-C_4-alkyl, methoxy, ethoxy, methylthio, ethylthio, difluoromethylthio, trifluoromethylthio, C_1-C_2-haloalkyl or C_1-C_2-haloalkoxy having in each case 1 to 5 fluorine, chlorine and/or bromine atoms and

R^{20} represents hydrogen, fluorine, chlorine, bromine, iodine, cyano, C_1-C_4-alkyl, methoxy, ethoxy, methylthio, ethylthio, C_1-C_2-haloalkyl or C_1-C_2-haloalkoxy having in each case 1 to 5 fluorine, chlorine and/or bromine atoms, C_1-C_2-alkylsulphinyl or C_1-C_2-alkylsulphonyl,

or

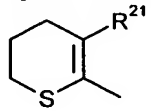
A represents the radical of the formula (A5)



(A5),

or

A represents the radical of the formula (A6)

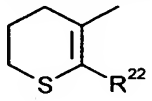


(A6) in which

R^{21} represents methyl, ethyl or C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents the radical of the formula (A7)

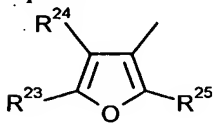


(A7) in which

R^{22} represents methyl, ethyl, trifluoromethyl, difluoromethyl, difluorochloromethyl or trichloromethyl,

or

A represents the radical of the formula (A8)



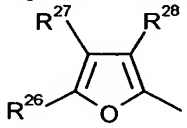
(A8) in which

R^{23} and R^{24} independently of one another represent hydrogen, fluorine, chlorine, bromine, amino, methyl, ethyl or C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms and

R^{25} represents hydrogen, methyl, ethyl or C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents the radical of the formula (A9)



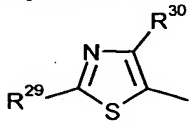
(A9) in which

R^{26} and R^{27} independently of one another represent hydrogen, fluorine, chlorine, bromine, amino, nitro, methyl, ethyl or C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms and

R^{28} represents fluorine, chlorine, bromine, methyl, ethyl or C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents the radical of the formula (A10)



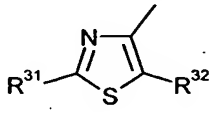
(A10) in which

R^{29} represents hydrogen, fluorine, chlorine, bromine, amino, C_1-C_4-alkylamino, di(C_1-C_4-alkyl)amino, cyano, methyl, ethyl or C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms and

R^{30} represents fluorine, chlorine, bromine, hydroxyl, methyl, ethyl, methoxy, ethoxy, cyclopropyl, C_1-C_2-haloalkyl or C_1-C_2-haloalkoxy having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents the radical of the formula (A11)



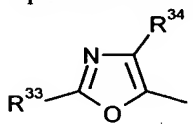
(A11) in which

R^{31} represents hydrogen, fluorine, chlorine, bromine, amino, C_1-C_4-alkylamino, di(C_1-C_4-alkyl)amino, cyano, methyl, ethyl or C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms and

R^{32} represents fluorine, chlorine, bromine, methyl, ethyl or C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents the radical of the formula (A12)



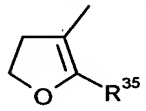
(A12) in which

R^{33} represents hydrogen, methyl or ethyl and

R^{34} represents fluorine, chlorine, bromine, methyl or ethyl,

or

A represents the radical of the formula (A13)

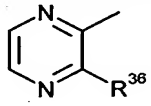


(A13) in which

R^{35} represents methyl, ethyl or C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents the radical of the formula (A14)

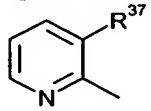


(A14) in which

R^{36} represents hydrogen, fluorine, chlorine, bromine, methyl, ethyl or C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents the radical of the formula (A15)

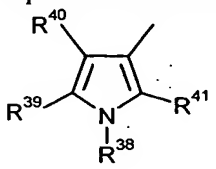


(A15) in which

R^{37} represents fluorine, chlorine, bromine, iodine, hydroxyl, C_1-C_4-alkyl, methoxy, ethoxy, methylthio, ethylthio, difluoromethylthio, trifluoromethylthio, C_1-C_2-haloalkyl or C_1-C_2-haloalkoxy having in each case 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents the radical of the formula (A16)



(A16) in which

R^{38} represents hydrogen, methyl, ethyl, C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms, C_1-C_2-alkoxy-C_1-C_2-alkyl, hydroxymethyl, hydroxyethyl, methylsulphonyl or dimethylaminosulphonyl,

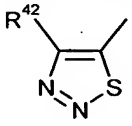
R^{39} represents hydrogen, fluorine, chlorine, bromine, methyl, ethyl or C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

R^{40} represents hydrogen, fluorine, chlorine, bromine, cyano, methyl, ethyl, isopropyl or C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

R^{41} represents hydrogen, fluorine, chlorine, bromine, methyl, ethyl or C_1-C_2-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents the radical of the formula (A17)



(A17) in which

R^{42} represents methyl, ethyl, n-propyl or isopropyl.

3. Hexylcarboxanilides of the formula (I) according to Claim 1 or 2 in which L represents L-1.

4. Hexylcarboxanilides of the formula (I) according to Claim 1 or 2 in which L represents L-2.

5. Hexylcarboxanilides of the formula (I) according to Claim 1 or 2 in which R^1 represents hydrogen, formyl or -C(=O)C(=O)R^4, where R^4 is as defined in Claim 1 or 2.

6. Hexylcarboxanilides of the formula (I) according to Claim 1 or 2 in which A represents A1.

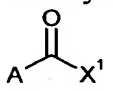
7. Hexylcarboxanilides of the formula (I) according to Claim 1 or 2 in which R^3 represents halogen.

8. Hexylcarboxanilides of the formula (I) according to Claim 1 or 2 in which R^3 represents C_1-C_8-alkyl.

9. Hexylcarboxanilides of the formula (I) according to Claim 1 or 2 in which R^3 represents C_1-C_8-haloalkyl.

10. Process for preparing the compounds of the formula (I) according to Claim 1, characterized in that

a) carboxylic acid derivatives of the formula (II)



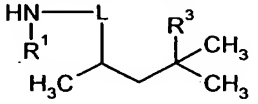
(II)

in which

A is as defined in Claim 1 and

X^1 represents halogen or hydroxyl

are reacted with an aniline derivative of the formula (III)



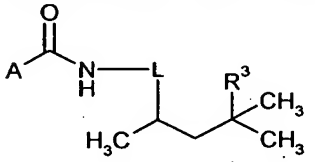
(III)

in which L, R^1 and R^3 are as defined in Claim 1,

if appropriate in the presence of a catalyst, if appropriate in the presence of a condensing agent, if appropriate in the presence of an acid binder and if appropriate in the presence of a diluent,

or

b) hexylcarboxanilides of the formula (I-a)



(I-a)

in which L, A and R^3 are as defined in Claim 1

are reacted with halides of the formula (IV)

$R^{1\text{-}A}—X^2$ (IV)

in which

X^2 represents chlorine, bromine or iodine,

$R^{1\text{-}A}$ represents C_1-C_8-alkyl, C_1-C_6-alkylsulphinyl, C_1-C_6-alkylsulphonyl, C_1-C_4-alkoxy-C_1-C_4-alkyl, C_3-C_8-cycloalkyl; C_1-C_6-haloalkyl, C_1-C_4-haloalkylthio, C_1-C_4-haloalkylsulphinyl, C_1-C_4-haloalkylsulphonyl, halo-C_1-C_4-alkoxy-C_1-C_4-alkyl, C_3-C_8-halocycloalkyl having in each case 1 to 9 fluorine, chlorine and/or bromine atoms; formyl, formyl-C_1-C_3-alkyl, (C_1-C_3-alkyl)carbonyl-C_1-C_3-alkyl, (C_1-C_3-alkoxy)carbonyl-C_1-C_3-alkyl; halo-(C_1-C_3-alkyl)carbonyl-

C_1-C_3-alkyl, halo-(C_1-C_3-alkoxy)carbonyl-C_1-C_3-alkyl having in each case 1 to 13 fluorine, chlorine and/or bromine atoms;
(C_1-C_8-alkyl)carbonyl, (C_1-C_8-alkoxy)carbonyl, (C_1-C_4-alkoxy-C_1-C_4-alkyl)carbonyl, (C_3-C_8-cycloalkyl)carbonyl; (C_1-C_6-haloalkyl)carbonyl, (C_1-C_6-haloalkoxy)carbonyl, (halo-C_1-C_4-alkoxy-C_1-C_4-alkyl)carbonyl, (C_3-C_8-halocycloalkyl)carbonyl having in each case 1 to 9 fluorine, chlorine and/or bromine atoms; or -C(=O)C(=O)R^4, -CONR^{5}R^6 or -CH_2NR^{7}R^8,

where R^4, R^5, R^6, R^7 and R^8 are as defined in Claim 1

in the presence of a base and in the presence of a diluent.

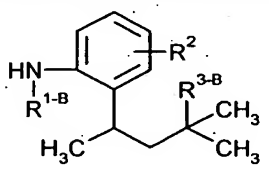
11. Compositions for controlling unwanted microorganisms, characterized in that they comprise at least one hexylcarboxanilide of the formula (I) according to Claim 1, in addition to extenders and/or surfactants.

12. Use of hexylcarboxanilides of the formula (I) according to Claim 1 for controlling unwanted microorganisms.

13. Method for controlling unwanted microorganisms, characterized in that hexylcarboxanilides of the formula (I) according to Claim 1 are applied to the microorganisms and/or their habitats.

14. Process for preparing compositions for controlling unwanted microorganisms, characterized in that hexylcarboxanilides of the formula (I) according to Claim 1 are mixed with extenders and/or surfactants.

15. Aniline derivatives of the formula (III-b)



(III-b)

in which

a) R^{1-B} represents hydrogen and
R^{3-B} represents halogen, C_3-C_8-alkyl, C_1-C_8-haloalkyl,

or

b) R^{1-B} represents C_1-C_8-alkyl, C_1-C_6-alkylsulphinyl, C_1-C_6-alkylsulphonyl, C_1-C_4-alkoxy-C_1-C_4-alkyl, C_3-C_8-cycloalkyl; C_1-C_6-haloalkyl, C_1-C_4-haloalkylthio, C_1-C_4-haloalkylsulphinyl, C_1-C_4-haloalkylsulphonyl, halo-C_1-C_4-alkoxy-C_1-C_4-alkyl, C_3-C_8-halocycloalkyl having in each case 1 to 9 fluorine, chlorine and/or bromine atoms; formyl, formyl-C_1-C_3-alkyl, (C_1-

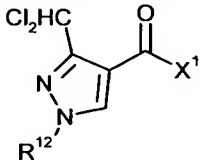
C_3-alkyl)carbonyl-C_1-C_3-alkyl, (C_1-C_3-alkoxy)carbonyl-C_1-C_3-alkyl; halo-(C_1-C_3-alkyl)carbonyl-C_1-C_3-alkyl, halo-(C_1-C_3-alkoxy)carbonyl-C_1-C_3-alkyl having in each case 1 to 13 fluorine, chlorine and/or bromine atoms; (C_1-C_8-alkyl)carbonyl, (C_1-C_8-alkoxy)carbonyl, (C_1-C_4-alkoxy-C_1-C_4-alkyl)carbonyl, (C_3-C_8-cycloalkyl)carbonyl; (C_1-C_6-haloalkyl)carbonyl, (C_1-C_6-haloalkoxy)carbonyl, (halo-C_1-C_4-alkoxy-C_1-C_4-alkyl)carbonyl, (C_3-C_8-halocycloalkyl)carbonyl having in each case 1 to 9 fluorine, chlorine and/or bromine atoms; or -C(=O)C(=O)R^4, -CONR^{5}R^6 or -CH$_2$NR^{7}R^8, and

R^{3-B} represents hydrogen, halogen, C_1-C_8-alkyl, C_1-C_8-haloalkyl,

and

R^2, R^4, R^5, R^6, R^7 and R^8 are each as defined in Claim 1.

16. 3-Dichloromethyl-1H-pyrazole-4-carboxylic acid derivatives of the formula (II-a)



(II-a)

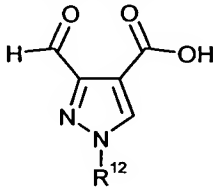
in which

R^{12} is as defined in Claim 1,

X^1 represents halogen or hydroxyl.

17. Process for preparing 3-dichloromethyl-1H-pyrazole-4-carboxylic acid derivatives of the formula (II-a) according to Claim 16, characterized in that

3-formyl-1H-pyrazole-4-carboxylic acids of the formula (XI)

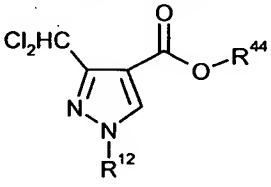


(XI)

in which R^{12} is as defined in Claim 1

are reacted with a chlorinating agent in the presence of a diluent.

18. 3-Dichloromethyl-1H-pyrazole-4-carboxylic acid esters of the formula (XII)



(XII)

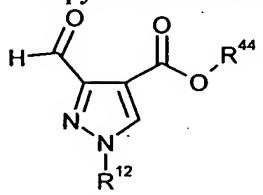
in which

R^{12} is as defined in Claim 1,

R^{44} represents C_1-C_4-alkyl.

19. Process for preparing 3-dichloromethyl-1H-pyrazole-4-carboxylic acid esters of the formula (XII) according to Claim 18, characterized in that

3-formyl-1H-pyrazole-4-carboxylic acid esters of the formula (X)



(X)

in which

R^{12} is as defined in Claim 1,

R^{44} represents C_1-C_4-alkyl

are reacted with a chlorinating agent in the presence of a diluent.